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1 Model-based matching and hinting of fonts
Roger D. Hersch, Claude Betrisey
July 1991 **SIGGRAPH '91:** Proceedings of the 18th annual conference on Computer
graphics and interactive techniques
Publisher: ACM

Full text available: 📄 Pdf (839.96 KB)   Additional Information: full citation, abstract, references, cited by, inc
terms

Bibliometrics: Downloads (6 Weeks): 3,   Downloads (12 Months): 33,   Citation Count: 3

In today's digital computers, phototypesetters and printers, typographic fonts are ma
given by their outline descriptions. Outline descriptions alone do not provide any
information about character parts like stems serifs, shoulders, and bowls. But, ...

Keywords: digital typography, grid-fitting automatic hinting, outline fonts, shape
matching, topological model

Also published in:
July 1991 **SIGGRAPH Computer Graphics** Volume 25 Issue 4

2 TPC-DS, taking decision support benchmarking to the next level
Meikel Poess, Bryan Smith, Lubor Kollar, Paul Larson
June 2002 **SIGMOD '02:** Proceedings of the 2002 ACM SIGMOD international conference
Management of data
Publisher: ACM

Full text available: 📄 Pdf (645.38 KB)   Additional Information: full citation, abstract, references, cited by, inc
terms

Bibliometrics: Downloads (6 Weeks): 8,   Downloads (12 Months): 40,   Citation Count: 7

TPC-DS is a new decision support benchmark currently under development by the
Transaction Processing Performance Council (TPC). This paper provides a brief overvi
of the new benchmark. The benchmark models the decision support functions of a
retail ...

Keywords: TPC, benchmark, data warehouse, decision support, performance evalua

3 Load and store reuse using register file contents
Soner Önder, Rajiv Gupta
June 2001 **ICS '01:** Proceedings of the 15th international conference on Supercomputing
Publisher: ACM

Full text available: 📄 Pdf (251.51 KB)   Additional Information: full citation, abstract, references, cited by, inc
terms

The detection of opportunities for value reuse optimizations in memory operations require both the addresses and values associated with these operations to be availab Although the values are typically available in the physical register file, their ...

4 Interprocess communication system of the MT35 digital exchange
G. J. Battarel, H. F. Savary
April 1983 **COMM '83:** Proceedings of the symposium on Communications Architectures Protocols
Publisher: ACM

Full text available: Pdf (443.26 KB)   Additional Information: full citation, abstract, references, cited by

The MT35 is a digital exchange. It handles subscribers lines and transit traffic. It feat a modular structure based on interconnected terminal sites (TS). Each TS has full cal handling capability, and can support up to 1500 subscribers; the overall ...

Also published in:
April 1983 **SIGCOMM Computer Communication Review** Volume 13 Issue 2

5 A general business-oriented language based on decision expressions
Lionello A. Lombardi
February 1964 **Communications of the ACM** , Volume 7 Issue 2
Publisher: ACM
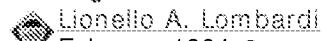
Full text available: Pdf (1.00 MB)   Additional Information: full citation, abstract, references, cited by, in terms

The structure of a digital computer programming language which covers a wide class business and file processing applications is presented. Such a structure, based on identifying and incorporating into a compiler the aspects common to all processes ...

6 Some reflections on early history
J C R Licklider
January 1986 Proceedings of the ACM Conference on The history of personal workstation:
Publisher: ACM
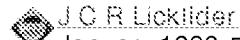
Full text available: Pdf (38.99 KB)   Additional Information: full citation, abstract, index terms

The ideas and developments reviewed briefly are mainly from six sources: (1) the M. Lincoln Laboratory during the middle and late 1950s, (2) Bolt Beranek and Newman i 1957-1962, (3) the ARPA program in 1962-1964, (4) IBM Research in 1964-1966, (5

7 Programming pearls: graphic output
Jon L. Bentley
June 1984 **Communications of the ACM** , Volume 27 Issue 6
Publisher: ACM
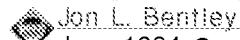
Full text available: Pdf (795.00 KB)   Additional Information: full citation, abstract, references, index terms

In previous columns we've studied the innards of programs. In this column we'll take broader view of the programmer's task and consider the kind of output a program sh produce. We'll focus on a single problem: once a system has produced detailed ...

8 The Share 709 System: A Cooperative Effort

Donald L. Shell

April 1959 **Journal of the ACM (JACM)** , Volume 6 Issue 2

Publisher: ACM

Full text available: Pdf (225.67 KB) Additional Information: full citation, abstract, index terms

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 31, Citation Count: 1

SHARE was created in August 1955. From the beginning, its aim has been to reduce redundant effort among various users of the IBM 704, insofar as the preparation of commonly used routines is concerned. The organization has operated on a cooperativ basis—establishing ...

9 In praise of computing

D. A. B. Lindberg

December 1987 Proceedings of ACM conference on History of medical informatics

Publisher: ACM

Full text available: Pdf (499.50 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 140, Citation Count: 0

I shall describe briefly some early work in applying computing systems to clinical laboratory, diagnosis, and medical records problems. If we compare the early work w what can be done now, we shall see many examples of enormous improvements in speed ...

10 Aggregation everywhere: data reduction and transformation in the Phoenix data warehouse

Steven Tolkin

November 1999 **DOLAP '99:** Proceedings of the 2nd ACM international workshop on Data warehousing and OLAP

Publisher: ACM

Full text available: Pdf (1.23 MB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 15, Citation Count: 0

This paper describes the Phoenix system, which loads a data warehouse and then reports against it. Between the raw atomic data of the source system and the busine: measures presented to users there are many computing environments. Aggregation occurs ...

Keywords: OLAP, SQL, aggregation, data lineage, data warehouse

11 FORTRAN simulation of digital logic

Dale I. Rummer

December 1968 Proceedings of the second conference on Applications of simulations

Publisher: Winter Simulation Conference

Full text available: Pdf (356.51 KB) Additional Information: full citation, abstract, index terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 6, Citation Count: 1

The software described in this paper was created to aid engineering students verify tl correctness of the design of digital logic systems. The verification consists of compari a truth table generated by the simulation with the truth table desired. ...

12 The design of Star's Records Processing: Data processing for non-computer professionals

Robert Purvy, Jerry Farrell, Paul Klose

June 1982 Proceedings of the SIGOA conference on Office information systems

Publisher: ACM

Full text available: Pdf (51.77 KB)   Additional Information: full citation, abstract, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 0,   Downloads (12 Months): 29,   Citation Count: 2

Xerox' Star Professional Workstation is distinguished by a graphic user interface committed to the What-you-see-is-what-you-get design philosophy. The system promotes a see / point / push-a-button style of interaction with immediate feedback, marked ...

Also published in:
June 1982 **SIGOA Newsletter** Volume 3 Issue 1-2

13 Automated extraction of SPICE circuit models from symbolic gate matrix layout w pruning
R. D. Freeman, S. M. Kang, C. G. Lin-Hendel, M. L. Newby
July 1986 **DAC '86:** Proceedings of the 23rd ACM/IEEE conference on Design automation
Publisher: IEEE Press
Full text available: Pdf (1.18 MB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 0,   Downloads (12 Months): 13,   Citation Count: 0

VLSI designers have made extensive use of SPICE simulation to analyze timing-critic; circuits such as critical paths and clock distribution networks. Rigorous modeling of resistive and capacitive parasitics and transistors is required for these timing-critical

14 A re-engineering approach to low power FPGA design using SPFD
Jan-Min Hwang, Feng-Yi Chiang, TingTing Hwang
May 1998 **DAC '98:** Proceedings of the 35th annual conference on Design automation
Publisher: ACM
Full text available: Pdf (291.94 KB)   Additional Information: full citation, abstract, references, cited by, inc terms

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 8,   Citation Count: 7

In this paper, we present a method to re-synthesize Look-Up Table (LUT) based Field Programmable Gate Arrays (FPGAs) for low power design after technology mapping, placement and routing are performed. We use Set of Pairs of Functions to be Distinguished ...

15 Transactional terminal system on micro-processor: a method for identifying & modeling overall performance
Alain Sarzotti
September 1977 **SIGMETRICS Performance Evaluation Review** , Volume 6 Issue 4
Publisher: ACM
Full text available: Pdf (661.55 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 0,   Downloads (12 Months): 2,   Citation Count: 0

A typical banking, financial and administrative system involves specific characteristic; large number of devices around a processor, with several different kinds of work stat (displays, keyboards, printers, badge and document readers...), a heterogeneous ...

16 A study of devirtualization techniques for a Java Just-In-Time compiler
Kazuaki Ishizaki, Motohiro Kawahito, Toshiaki Yasue, Hideaki Komatsu, Toshio Nakatani
October 2000 **OOPSLA '00:** Proceedings of the 15th ACM SIGPLAN conference on Object oriented programming, systems, languages, and applications
Publisher: ACM
Full text available: Pdf (225.89 KB)   Additional Information: full citation, abstract, references, cited by, inc terms

Bibliometrics: Downloads (6 Weeks): 17,   Downloads (12 Months): 101,   Citation Count: 42

Many devirtualization techniques have been proposed to reduce the runtime overhea
dynamic method calls for various object-oriented languages, however, most of them
less effective or cannot be applied for Java in a straightforward manner. This ...

Also published in:
October 2000 **SIGPLAN Notices** Volume 35 Issue 10

17 The impact of technology on publishing through the ages to you
Diana Patterson
February 1986 **SIGDOC '85:** Proceedings of the 4th annual international conference on
Systems documentation
Publisher: ACM

Full text available: Pdf (330.49 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 12,   Downloads (12 Months): 80,   Citation Count: 0

This paper presents various technological developments from the Rosetta Stone to th
Apple MacIntosh Computer. With the advent of each change the quality of the produc
decays significantly, and is only restored to something near the glory of the past ...

18 Automatic programming and compilers I: Control techniques in the CL—II
Programming System
G. F. Leonard
September 1962 Proceedings of the 1962 ACM national conference on Digest of technical
papers
Publisher: ACM

Full text available: Pdf (203.82 KB)   Additional Information: full citation, abstract, references, cited by, in
terms

Bibliometrics: Downloads (6 Weeks): 1,   Downloads (12 Months): 3,   Citation Count: 3

THE CL-II PROGRAMMING SYSTEM has been designed to provide a multi-program co
system within the framework of a set of primitive control routines and an extensible
Master File containing programs, data, program descriptions, ...

19 The Share 709 System: Machine Implementation of Symbolic Programming
E. M. Boehm, T. B. Steel, Jr.
April 1959 **Journal of the ACM (JACM)** , Volume 6 Issue 2
Publisher: ACM

Full text available: Pdf (388.52 KB)   Additional Information: full citation, abstract, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 4,   Downloads (12 Months): 40,   Citation Count: 2

As emphasized in the preceding paper, a fundamental requirement for effective
utilization of high speed computing devices such as the 709 is a man-machine
communication link that is at once rapid and unambiguous. Use of symbolic language
with conventional ...

20 ACM SIGCOMM computer communication review
Andrew T. Campbell, Mischa Schwartz
October 2001 **SIGCOMM Computer Communication Review** , Volume 31 Issue 5
Publisher: ACM

Full text available: Pdf (376.25 KB)   Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 24,   Downloads (12 Months): 218,   Citation Count: 0

At some point in the future, how far out we do not exactly know, wireless access to t
Internet will outstrip all other forms of access bringing the freedom of mobility to the
way we access the web, communicate with each other, and conduct business. ...

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